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**NATIONAL IMAGERY TRANSMISSION FORMAT STANDARD (NITFS)
REQUEST FOR CHANGE (RFC)**

RFC CONTROL NUMBER **96-016A**
(To be filled in by NTB Secretary)

DATE SUBMITTED ~~05/14/96~~ 06/17/96 DATE RECEIVED

ORIGINATOR Joint Interoperability Test Command
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ORGANIZATION TYPE Government (DoD)

PRIORITY routine

FUNCTION Certification Test Criteria

DOCUMENT NUMBER- JIEO CIRCULAR 9008/30 Jun 1993 PAGE 5-3, 5-10, and C-2
DOCUMENT- NITFS CERTIFICATION TEST & EVALUATION PROGRAM PLAN PARAGRAPH Table 5-1, para 5-5
K, and C-1

PROBLEM DESCRIPTION

The existing constraint on the maximum file sizes allowed for CLEVEL 6.

RECOMMENDED WORDING:

SEE ATTACHMENT FOR PROPOSED CHANGES.

RATIONALE

Computer systems are now available that can deal with files larger than 2 Gbytes. Current production systems mark such files as CLEVEL 99 since they exceed the current definition of CLEVEL 6. Use of CLEVEL 99 adversely impacts interoperability objectives.

REMARKS

Changes to existing production systems should be done in conjunction with normal life cycle updates. There is no need to retrofit any past files created with CLEVEL 99. The volume of files created to date with CLEVEL 99 (greater than 2 Gbytes) is minimal. All current producers capable of handling files greater than 2 Gbytes currently support file splitting.

TOTAL COST OF IMPLEMENTATION

Minimal. Minor change to existing production systems.

PROPOSED TIMEFRAME OF IMPLEMENTATION

TBD

ANTICIPATED USER IMPACT

To be determined

NTB REVIEW DATE

SUBSTANTIVE ISSUES

NTB RECOMMENDATION

DATE SUBMITTED TO NTB

NTB REVIEW DATE

NTB CHAIRMAN SIGNATURE

NTB DECISION

IMPLEMENTATION DATE

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REQUEST FOR CHANGE TO JIEO CIRCULAR 9008

RE: Proposed changes to JIEO Circular 9008 modify CLEVEL 6 file size limitations.

1. Table 5-1: Change Common Coordinate System Size (Pixels) Row Clevel 6 Column as follows:

Delete "Max file size 2 Gbytes minus 1 byte".

2. Paragraph 5-5 K.

Files sizes for CLEVEL 1 files must not exceed 1,213,000 bytes.

3. Add paragraph 5-5 L. *For CLEVEL 6, unpack capable systems must at least be able to unpack files with file sizes up to and including 2 Gbytes minus 1 byte (2147483647 bytes). Systems capable of packing CLEVEL 6 files greater than 2 Gbytes must also have the capability to split the file (file segmentation) for recipients which are limited to unpacking less than 2 Gbyte files. ~~(Refer to USIS SPID for more details).~~*

1. *File Segmentation.* *File segmentation will be at up to 27 H x 37 V blocks for the primary piece with the overflow going into the subsequent file(s). Upon receipt, the receiver can mosaic the files as required to present a seamless image to the user.*

2. *File Naming.* *When a file naming convention is used which identifies "FAF blocks", the file names of the segmented image will indicate the FAF blocks at which the image was split.*

3. *Reduced Resolution Data Sets.* *When produced, reduced resolution data sets (i.e. R1 through R7) will consist of a single file for each data set aligned with the original (un-segmented) image (R0).*

4. Table C-1: Change FL format value to: 000000000388-999999999999.